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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,898	11/21/2003	Kenji Dosaka	107348-00389	7383
4372 ARENT FOX L	7590 04/21/200 LP	9	EXAMINER	
1050 CONNEC SUITE 400	TICUT AVENUE, N.	W.	MAYEKAR, KISHOR	
WASHINGTON	N, DC 20036		ART UNIT	PAPER NUMBER
			1795	
			NOTIFICATION DATE	DELIVERY MODE
			04/21/2009	ELECTRONIC

# Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Notice of the Office communication was sent electronically on above-indicated "Notification Date" to the following e-mail address(es):

DCIPDocket@arentfox.com IPMatters@arentfox.com Patent\_Mail@arentfox.com

Office Action Summary		Application No.	Applicant(s)	Applicant(s)				
		10/717,898	DOSAKA ET AL.	DOSAKA ET AL.				
		Examiner	Art Unit					
		Kishor Mayekar	1795					
Period fo	The MAILING DATE of this communication a or Reply	opears on the cover shee	t with the correspondence ac	ddress				
WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPERIOD FOR REPERIOR IS LONGER, FROM THE MAILING asions of time may be available under the provisions of 37 CFR of SIX (6) MONTHS from the mailing date of this communication. It is period for reply is specified above, the maximum statutory period for reply within the set or extended period for reply will, by statutely received by the Office later than three months after the mailed patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMU. .136(a). In no event, however, mad will apply and will expire SIX (6) te, cause the application to become	JNICATION.  ay a reply be timely filed  MONTHS from the mailing date of this one ABANDONED (35 U.S.C. § 133).	·				
Status								
1)⊠	Responsive to communication(s) filed on 21	lanuary 2009						
•		is action is non-final.						
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is							
- , <b></b>	closed in accordance with the practice under <i>Ex parte Quayle</i> , 1935 C.D. 11, 453 O.G. 213.							
Dispositi	on of Claims							
4)🛛	Claim(s) 2 and 3 is/are pending in the application	ation.						
-	4a) Of the above claim(s) is/are withdrawn from consideration.							
	5) Claim(s) is/are allowed.							
	6)⊠ Claim(s) <u>2 and 3</u> is/are rejected.							
· ·	Claim(s) is/are objected to.							
-	Claim(s) are subject to restriction and	or election requirement.						
Applicati	on Papers							
9)□	The specification is objected to by the Examir	ner.						
•	-		to by the Examiner.					
,	10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.  Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).							
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).								
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
Priority ι	ınder 35 U.S.C. § 119							
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>								
2) Notice (3) Inform	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	Paper 5) Notice	ew Summary (PTO-413) No(s)/Mail Date of Informal Patent Application 					

# DETAILED ACTION

## Response to Amendment

1. Claims 2 and 3 are pending in this application. Claim 2 has been amended by the amendment of 21 January 2009.

### Claim Rejections - 35 USC § 103

2. Claims 2 and 3 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Caren et al. (US 6,029,442) in light of Evans et al. (US 6,479,023 B1), for the same reasons as of record. Further, Caren discloses in the method for reducing pollutants in the exhaust gas produced by combustion of fuel that an internal combustion engine draws in ambient air, mixes the air with fuel, and introduces the mixtures of air and fuel into a combustion chamber, where the mixture of air and fuel is ignited and burned and where the exhaust gas is formed from the combustion (c. 1, l. 28-37). As such, the formed exhaust gas is at a high temperature as result from the burning or the combustion of fuel. This is known as shown in c. 1, l. 55-63 of Evans. Further, since Caren discloses the subjection of the formed exhaust gas to a corona discharge, Caren's method inherently comprises the step of heating the exhaust gas as now claimed where the internal combustion engine reads on the recited heater.

## Response to Arguments

3. Applicant's arguments filed 21 January 2009 have been fully considered but they are not persuasive for reasons as stated in the preceding paragraph #2.

#### Conclusion

4. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kishor Mayekar whose telephone number is (571) 272-1339. The examiner can normally be reached on Monday-Thursday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Nam Nguyen can be reached on (571) 272-1342. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

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Representative or access to the automated information system, call 800-786-9199 (IN

USA OR CANADA) or 571-272-1000.

/Kishor Mayekar/

Primary Examiner, Art Unit 1795